

# INTERNATIONAL SEARCH REPORT

Int'l Application No  
PCT/GB2004/002578

**A. CLASSIFICATION OF SUBJECT MATTER**  
**IPC 7 F02M63/02 F02M55/02 F02M59/10**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
**IPC 7 F02M**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**EPO-Internal, WPI Data, PAJ**

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 101 36 925 C (ORANGE GMBH) 12 December 2002 (2002-12-12)  paragraph '0019! - paragraph '0034!; figures 1-4 ----- US 5 806 494 A (GLASSEY STEPHEN F) 15 September 1998 (1998-09-15)  column 2, line 11 - column 5, line 4; figures 1-3 ----- EP 0 976 926 A (WAERTSILAE NSD OY AB) 2 February 2000 (2000-02-02) paragraph '0010! - paragraph '0014!; figures 1-4 ----- -/-	1-7, 10-13, 16,17
Y		1-7, 10-13, 16,17
A		1,3-7, 10-12

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

**14 September 2004**

Date of mailing of the international search report

**01/10/2004**

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

**Nobre, S**

## INTERNATIONAL SEARCH REPORT

In  
nal Application No  
**PCT/GB2004/002578****C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/50417 A (INST FRANCAIS DU PETROL) 27 June 2002 (2002-06-27) page 2, line 6 - page 13, line 11; figures 1-4 -----	1,16
A	EP 0 861 380 A (EJOT VERBINDUNGSTECH GMBH & CO) 2 September 1998 (1998-09-02) column 3, line 39 - column 6, line 29; figures 1-3 -----	1,16

**INTERNATIONAL SEARCH REPORT**ational application No.  
PCT/GB2004/002578**Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-7,10-13,16,17

The arrangement of two accumulators and a plurality of unit pumps in common accumulator housing

- 
2. claims: 8,9,14,15

A valve arrangement for injecting fuel at two different injection pressures

---

**INTERNATIONAL SEARCH REPORT**

In International Application No.

PCT/GB2004/002578

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
DE 10136925	C	12-12-2002	DE	10136925 C1		12-12-2002
US 5806494	A	15-09-1998	DE	69815805 D1		31-07-2003
			DE	69815805 T2		19-05-2004
			EP	0931216 A1		28-07-1999
			JP	2001502033 T		13-02-2001
			WO	9907993 A1		18-02-1999
EP 0976926	A	02-02-2000	FI	981537 A		04-01-2000
			AT	266809 T		15-05-2004
			DE	69917150 D1		17-06-2004
			DE	69917150 T2		02-09-2004
			DK	976926 T3		09-08-2004
			EP	0976926 A2		02-02-2000
			JP	2000064926 A		03-03-2000
			US	6217299 B1		17-04-2001
WO 0250417	A	27-06-2002	FR	2818702 A1		28-06-2002
			AU	2509102 A		01-07-2002
			EP	1346141 A1		24-09-2003
			WO	0250417 A1		27-06-2002
EP 0861380	A	02-09-1998	DE	19639396 A1		26-03-1998
			DE	19728988 A1		14-01-1999
			BR	9706763 A		20-07-1999
			CA	2235960 A1		02-04-1998
			CZ	9801472 A3		15-03-2000
			DE	59701255 D1		20-04-2000
			DE	59705592 D1		10-01-2002
			WO	9813607 A1		02-04-1998
			EP	0861380 A1		02-09-1998
			EP	0962666 A1		08-12-1999
			ES	2144322 T3		01-06-2000
			HU	9902583 A2		29-11-1999
			JP	2000507676 T		20-06-2000
			JP	3546060 B2		21-07-2004
			PL	327033 A1		09-11-1998
			PT	861380 T		31-07-2000
			TR	9800914 T1		21-03-2001
			US	6059502 A		09-05-2000
			ZA	9708529 A		26-03-1998
			DK	861380 T3		05-06-2000